

TO : Mr. W. B. Cridlin

DATE: December 11, 1970

FROM : N. B. Rainer

SUBJECT: New Invention Record - "Novel Coating for Controlled Profile Cigarette" - C. B. Hoelzel

Please study for purposes of patentability the disclosure presented in the attached Invention Record.

The proposed invention relates to a novel composition comprising a thermoplastic cellulosic polymer and a hydrophilic plasticizer useful in coating the perforated paper employed in our controlled profile candidate cigarette. The coating effectively blocks the perforations but permits their re-opening about 5 mm above the coal. By comparison with the previously studied Polyox coating system, the present composition may afford the following potential advantages:

- 1) better reproducibility
- 2) formation of stronger, less brittle coatings, thereby minimizing inadvertent film rupture during cigarette making
- 3) improved pack storage stability temperature

This coating composition is presently being evaluated on pilot plant equipment by Mr. Tamol's group. If initial trials do not fulfill all criteria for successful commercialization, it is felt that, within the generic scope of this invention, an acceptable specific formulation may be found.

Further details of experimental work can be supplied as needed for the preparation of a patent application. Except for assistance to pilot plant studies, further laboratory work in this area will be held in abeyance, pending your appraisal of the patent situation.

cc: Dr. T. S. Osdene  
Dr. R. M. Ikeda  
Dr. P. A. Eichorn

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W. B. C., JR.

*N. B. Rainer*  
*2/15/71*  
*Justified investigation of this. Don't work with by modifications*

*ABANDONED*

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*Check with Tamol to see where this stands 2/11/71*